

LASER ENGRAVED HIGH GAIN ANODE FOIL

ABSTRACT OF THE DISCLOSURE

A method of producing an electrode for use in the manufacture of electrolytic capacitors for implantable cardioverter defibrillators comprises first applying a laser beam to a portion of the foil to heat the portion and create a pattern on the foil and, second, etching the foil. Alternatively, the method comprises first etching the foil followed by applying a laser beam to a portion of the foil to heat the portion and create a pattern on the foil. The resulting patterns stop crack propagation through the etched portions to yield foils with high gain and improved strength.